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Applicant/Inventor.					
X Assignee of record of the entire interest. See 37 CFR 3.71. X Assignee of record of the entire interest. See 37 CFR 3.71. Stellament under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/95).					
Socretary and General					
Name Mr. David J. Smith, Executive Vice President, Secretary Counsel, Archer-Daniels-Midland Company Counsel, Archer-Daniels-Midland Company					
Signature	VVV	1 elep	KA18 217-424 3		
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Application Number 09/722,441 November 28, 2000 Filing Date Paul D. Hanke First Named Inv ntor 1652 Art Unit Kathleen M. Kerr Examiner Name 030692 Attorney Docket Number

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In a collection of information unless & final target 1 of 10 Paperwork Reduction Act of 1995, no persons are required to respond to 8 collection of information unitses & displays a valid OMB control number. STATEMENT UNDER 37 CFR 3.73(b) 2004 Applicant/Patent Owner. Paul D. Hanke, et al. Filed/Issue Date: November 28, 2000 Mobilication N Patent No.: 09/722,441 Polynucleotides Encoding a Feedback Resistant Aspartokinase from Corynebacterium Corporation Archer-Daniels-Midland Company (Type of Assignee, e.g., corporation, partnership, university, government egency, etc.) (Neme of Assignee) states that it is: 1. The assignee of the entire right, title, and interest, or 2.

an assignee of less than the entire right, title and interest. The extent (by percentage) of its ownership interest is in the patent application/patent identified above by virtue of either. A. (() An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 012039 Frame 0286 or for which a copy thereof is Reel 012427, Frame 0053 attached. OR B. [] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown Ta:-The document was recorded in the United States Patent and Trademark Office at or for which a copy thereof is attached. _, Frame _ The document was recorded in the United States Patent and Trademark Office at 2 From: , or for which a copy thereof is attached. Frame Reel To: The document was recorded in the United States Patent and Trademark Office at 3 From: or for which a copy thereof is attached. _, Frame [] Additional documents in the chain of title are listed on a supplemental sheet. [] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08) The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee. Date 217-424-5200 Signature Vice President, Secretary Telephone number Executive

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a better by the public which is to title (and by the USPTO to process) an application. Comidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, uspecting pathening, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments encuraing gamening, preparing, and submitting the completed application form to the USP FO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer. U.S. Peters and the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer. U.S. Peters and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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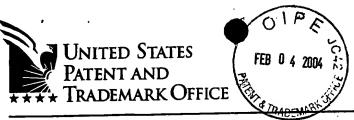
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□ Assignment □ Merger □ Security Agreement □ Change of Name □ Other correction of erroneously recorded execution date for inventor Lhing-Yew Li-DElia for Reel o 12039 Frame 0256 Execution Date: June 27, 2001	City: Decatur State: IL Zip Code: 62526 Country: U.S.A. Additional name(s) & address(es) attached? □ yes ≅ no			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is				
A. Patent Application No(s). 09/722,441	B. Patent No(s).			
Additional numbers attached?	yes ⊠ no			
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: One			
Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.	7. Total fee (37 C.F.R. § 3.41)\$ 40.00			
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Street Address: 1100 New York Ave., N.W. Suite 600 City: Washington State: D.C. Zip Code: 20005-3934	8. Deposit Account Number: 19-0036 (Attach duplicate copy of this page if paying by deposit account)			
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RECORDATION DATE: 01/10/2002

REEL/FRAME: 012427/0053

NUMBER OF PAGES: 4

BRIEF: CORRECTION OF ERRONEOUSLY RECORDED EXECUTION DAE FOR INVENTOR

LHING-YEW LI-D'ELIA ON REEL 012039 FRAME 0286

ASSIGNOR:

LI-D'ELIA, LHING-YEW

DOC DATE: 06/27/2001

ASSIGNEE:

ARCHER-DANIELS-MIDLAND COMPANY

4666 E. FARIES PARKWAY DECATUR, ILLINOIS 62526

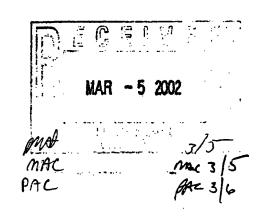
SERIAL NUMBER: 09722441

PATENT NUMBER:

FILING DATE: 11/28/2000

ISSUE DATE:

SHARON BROOKS, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS



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no □ Other Execution Date: 6/27, 6/27, 6/25, 6/27, 7/5 4. Application number(s) or patent number(s): 09/722,441 If this document is being filed together with a new application, the execution date of the application is B. Patent No(s). A. Patent Application No(s). Additional numbers attached? □ yes Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 C.F.R. § 3.41)......\$ 40.00 Name: Sterne, Kessler, Goldstein & Fox P.L.L.C. Internal Address: c/o Suzanne E. Ziska ☑ Enclosed Authorized to be charged to Deposit Account 8. Deposit Account Number: 1100 New York Ave., N.W. Street Address: Suite 600 19-0036 City: Washington State: D.C. Zip Code: 20005-3934 (Attach duplicate copy of this page if paying by deposit account) 00000206 09722441 5/07/2001 TDIAZ1 40.00 GP DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. August 1, 2001 Suzanne E. Ziska Name of Person Signing Registration No. 43,371 Total number of pages including cover sheet, attachments and document 7 Mail documents to be recorded with required cover sheet information to:

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): Paul D. Hanke, Lhing-Yew Li-D'Elia, P. John Rayapati, Corey M. Crafton, Holly J. Walsh the undersigned inventor(s) hereby sell(s) and assign(s) to Archer-Daniels-Midland Company (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

✓ for the United States of America (as defined in 35 U.S.C. § 100),

✓ and throughout the world,

SPL 8/1/01

- (a) in the invention(s) known as <u>Increased Lysine Production by Gene Amplification</u> for which application(s) for patent in the United States of America has (have) been executed by the undersigned on <u>G/27/61</u>, <u>C/25/61</u>, <u>U/27/61</u> (also known as United States Application No. <u>09/722,441</u> filed <u>November 28, 200</u>) in any and all applications thereon, in any and all Letters Patent(s) therefor, and
- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor, and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A.

Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date:		Signature of Inventor:	
			Paul D. Hanke
Date:	25 June 2001	Signature of Inventor:	Lhing-Yew Li-D'Elia
Date:	25 Jun 01	Signature of Inventor:	P. John Rayagest
			Corey M. Crafton
Date:		Signature of Inventor:	Holly I Walsh



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RECORDATION DATE: 08/01/2001

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NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HANKE, PAUL D.

DOC DATE: 06/27/2001

ASSIGNOR:

LI-D'ELIA, LHING-YEW

DOC DATE: 06/25/2001

ASSIGNOR:

WALSH, HOLLY

DOC DATE: 07/05/2001

ASSIGNOR:

CRAFTON, COREY M.

DOC DATE: 06/27/2001

ASSIGNOR:

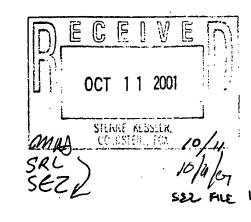
RAYAPATI, P. JOHN

DOC DATE: 06/25/2001

ASSIGNEE:

ARCHER-DANIELS-MIDLAND COMPANY 4666 E. FARIES PARKWAY

DECATUR, ILLINOIS 62526



012039/0286 PAGE 2

SERIAL NUMBER: 09722441

PATENT NUMBER:

FILING DATE: 11/28/2000

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no □ Other Execution Date: 6/27, 6/27, 6/25, 6/27, 7/5 4. Application number(s) or patent number(s): 09/722,441 If this document is being filed together with a new application, the execution date of the application is B. Patent No(s). A. Patent Application No(s). Additional numbers attached? □ yes 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 C.F.R. § 3.41)......\$ 40.00 Name: Sterne, Kessler, Goldstein & Fox P.L.L.C. Internal Address: c/o Suzanne E. Ziska Authorized to be charged to Deposit Account 1100 New York Ave., N.W. 8. Deposit Account Number: Street Address: Suite 600 19-0036 City: Washington State: D.C. Zip Code: 20005-3934 (Attach duplicate copy of this page if paying by deposit account) 8/07/2001 TDIAZ1 00000206 09722441 40.00 CP DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Suzanne E. Ziska August 1, 2001 Name of Person Signing Date Registration No. 43,371 Total number of pages including cover sheet, attachments and document

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): Paul D. Hanke, Lhing-Yew Li-D'Elia, P. John Rayapati, Corey M. Crafton, Holly J. Walsh the undersigned inventor(s) hereby sell(s) and assign(s) to Archer-Daniels-Midland Company (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

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✓ and throughout the world,

5/10 8/1/01

- (a) in the invention(s) known as <u>Increased Lysine Production by Gene Amplification</u> for which application(s) for patent in the United States of America has (have) been executed by the undersigned on <u>6/23/61</u>, <u>6/25/61</u>, <u>4/27/61</u> (also known as United States Application No. <u>09/722,441</u> filed <u>November 28, 200</u>) in any and all applications thereon, in any and all Letters Patent(s) therefor, and
- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

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IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date:		Signature of Inventor:	
			Paul D. Hanke
Date:	25 June 2001	Signature of Inventor: \(\square\)	RE-GE
	. 0		Lhing-Yew Li-D'Elia
Date:	25 Jun 01	Signature of Inventor:	P. John Rayagati
	V		P. John Rayapati
Date:	27 hun 01	Signature of Inventor:	Corey M. Crafton
	0		Corey M. Crafton
Date:		Signature of Inventor: _	
	•		Holly I Walch



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

OCTOBER 09, 2001

SUZANNE E. ZISKA

PTAS STERNE, KESSLER, GOLDSTEIN & FOX, PLLC

1100 NEW YORK AVENUE, N.W., SUITE 600

WASHINGTON, D.C. 20005-3934



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RECORDATION DATE: 08/01/2001

REEL/FRAME: 012039/0286

NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HANKE, PAUL D.

DOC DATE: 06/27/2001

27

ASSIGNOR:

LI-D'ELIA, LHING-YEW

DOC DATE: 06/25/2001

ASSIGNOR:

WALSH, HOLLY

DOC DATE: 07/05/2001

ASSIGNOR:

CRAFTON, COREY M.

DOC DATE: 06/27/2001

ASSIGNOR:

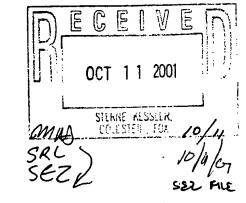
RAYAPATI, P. JOHN

DOC DATE: 06/25/2001

ASSIGNEE:

ARCHER-DANIELS-MIDLAND COMPANY

4666 E. FARIES PARKWAY DECATUR, ILLINOIS 62526



012039/0286 PAGE 2

SERIAL NUMBER: 09722441

PATENT NUMBER:

FILING DATE: 11/28/2000

ISSUE DATE:

ALLYSON PURNELL, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

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PRADEN					
	Form PTO-1595 (Rev. 03/01)	U.S. Department of Commerce SHEET Patent and Trademark Office			
	OMB No. 0651-0027 (exp. 5/31/7 101803685				
	To the Honorable Commissioner of Patents and Trademarks. Please record				
	1. Name of conveying party(ies):	2. Name and address of receiving party(ies):			
	Paul D. Hanke Lhing-Yew Li-D'Elia	Name: Archer-Daniels-Midland Company			
	Holly Walsh Corey M. Crafton	Internal Address:			
	P. John Rayapati	Street Address: 4666 E. Faries Parkway			
	Additional name(s) of conveying party(ies) attached? □ yes ☑ no	Street Autress. 4000 E. I ales I a away			
	Nature of Conveyance:	City: Decatur State: Illinois Zip Code: 62526			
		Country:			
	□ Assignment □ Merger □ Security Agreement □ Change of Name	Additional name(s) & address(es) attached? □ yes ≅ no			
,	□ Other				
	Execution Date: 6/27, 6/27, 6/25, 6/27, 7/5				
•	4. Application number(s) or patent number(s): 09/722,441				
	If this document is being filed together with a new application, the execution date of the application is				
		1			
	A. Patent Application No(s).	B. Patent No(s).			
		1.			
		□ yes ⊠ no			
	5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1			
	Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.	7. Total fee (37 C.F.R. § 3.41)\$ 40.00			
	Internal Address: c/o Suzanne E. Ziska	⊠ Enclosed			
		☐ Authorized to be charged to Deposit Account			
•					
	Street Address: 1100 New York Ave., N.W. Suite 600	8. Deposit Account Number:			
1	City: Washington State: D.C. Zip Code: 20005-3934	19-0036			
08/07/2001 TI		(Attach duplicate copy of this page if paying by deposit account)			
1					

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true

Suzanne E. Ziska Name of Person Signing Registration No. 43,371

August 1, 2001 Date

Total number of pages including cover sheet, attachments and document _7

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ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): Paul D. Hanke, Lhing-Yew Li-D'Elia, P. John Rayapati, Corey M. Crafton, Holly J. Walsh the undersigned inventor(s) hereby sell(s) and assign(s) to Archer-Daniels-Midland Company (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

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IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date:		Signature of Inventor:	
			Paul D. Hanke
Date:	25 June 2001	Signature of Inventor:	Lhing Very Li D'Elia
Date:	25 Jun 01	Signature of Inventor: _	P. John Rayagata P. John Rayapati
Date:	27 hun 01	Signature of Inventor:	Corey M. Crafton
	0		Corey M. Crafton
Date:		Signature of Inventor:	
			Holly I Walsh



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS

Washington, D.C. 20231

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OCTOBER 09, 2001

PTAS STERNE, KESSLER, GOLDSTEIN & FOX, PLLC SUZANNE E. ZISKA 1100 NEW YORK AVENUE, N.W., SUITE 600 WASHINGTON, D.C. 20005-3934

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RECORDATION DATE: 08/01/2001

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NUMBER OF PAGES: 7

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CRAFTON, COREY M.

DOC DATE: 06/27/2001

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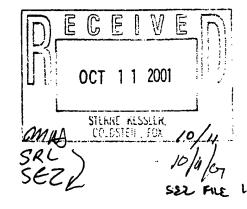
RAYAPATI, P. JOHN

DOC DATE: 06/25/2001

ASSIGNEE:

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4666 E. FARIES PARKWAY DECATUR, ILLINOIS 62526



012039/0286 PAGE 2

SERIAL NUMBER: 09722441

PATENT NUMBER:

FILING DATE: 11/28/2000

ISSUE DATE:

ALLYSON PURNELL, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS



08-08-2001



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			e attacned original documents or copy thereo	f.
	Name of conveying party(ies		2. Name and address of receiving	
	Paul D. Hanke	8-1-01	Name: Archer-Daniels-Midland	l Company
	Lhing-Yew Li-D'Elia ·Holly Walsh Corey M. Crafton		Internal Address:	
	P. John Rayapati		Street Address: 4666 E. Faries	: Parkway
	Additional name(s) of conveying party(ie	s) attached? □ yes ⊠ no		
	3. Nature of Conveyance:		City: Decatur State: Illinois Zip	Code: 62526
	■ Assignment	□ Merger	Country:	
	☐ Security Agreement☐ Other	□ Change of Name	Additional name(s) & address(es)	attached? □ yes 🗷 no
	Execution Date: 6/27, 6/27, 6/	25, 6/27, 7/5		
	4. Application number(s) or pat	ent number(s): 09/722,441		
-	If this document is being filed	together with a new applicati	on, the execution date of the applica	tion is
	A. Patent Application No(s).		B. Patent No(s).	
-				
	Additiona	l numbers attached?	yes ⊠ no	
	5. Name and address of party to concerning document should be	whom correspondence be mailed:	6. Total number of applications a	nd patents involved: 1
	Name: Sterne, Kessler, Goldst	ein & Fox P.L.L.C.	7. Total fee (37 C.F.R. § 3.41)	\$_40.00
-	Internal Address: c/o Suzanne E	E. Ziska	⊠ Enclosed	
-			☐ Authorized to be cha	urged to Deposit Account
	Street Address: 1100 New Y Suite 600	ork Ave., N.W.	8. Deposit Account Number:	
	· -		19-0036	
08/07/2001 TD	City: Washington State: D.C. AZ1 00000206 09722441	Zip Code: 20005-3934	(Attach duplicate copy of this page if	paying by deposit account)
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)	9. Statement and signature. To the best of my knowledge as copy of the original document.	d belief, the foregoing inform	nation is true and correct and any a	ttached copy is a true
	Suzanne E. Ziska Name of Person Signir Registration No. 43,37	71	August 1, 2001 Date	
	T		r sheet, attachments and document 7	
	II.	INITIAL GOODING IN THE RESERVE WITH	i tedanien eoket sueer unotwignou m:	

Commissioner of Patents and Trademarks, Box Assignments Washington, D.C. 20231

ASSIGNMENT

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check applicable box(es)

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✓ and throughout the world,

SRL 8/10:

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IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date:	June 27, 2001	Signature of Inventor:	Hanke Hanke
			Paul D. Hanke
Date:		Signature of Inventor:	Lhing-Yew Li-D'Elia
Date:		Signature of Inventor:	P. John Rayapati
Date:		Signature of Inventor:	
Date:		Signature of Inventor:	Corey M. Crafton
			Holly J. Walsh

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Date:	25 Jun 01	Signature of Inventor:	P. John Rayagati
	V		P. John Rayapati
Date:	27 Jun 01	Signature of Inventor: _	Corey M. Crafton
	0		Corey M. Crafton
Date:		Signature of Inventor: _	Holly I Walsh

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): Paul D. Hanke, Lhing-Yew Li-D'Elia, P. John Rayapati, Corey M. Crafton, Holly J. Walsh the undersigned inventor(s) hereby sell(s) and assign(s) to Archer-Daniels-Midland Company (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

✓ for the United States of America (as defined in 35 U.S.C. § 100),

✓ and throughout the world,

K No 31,203

- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A.

Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date:		Signature of Inventor:	
		Paul D. Hanke	
Date:			
		Lhing-Yew Li-D'Elia	
Date:		Signature of Inventor:	
		P. John Rayapati	
Date:		Signature of Inventor:	
Date:	7-5-01	Corey M. Crafton Signature of Inventor: Holly I / Walsh	

PTO/SS/98 (04-03)

Approved for use through 04/30/2001, OMB 0651-0031

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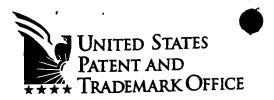
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STATEMENT UNDER 37 CFR 3.73(b)						
Applicant/Patent Owner. Paul D. Hanke, et al.						
Applicantivation Owner						
Applicant/Patent Owner. Paul D. Hanke, et al. Application N. /Patent No.: 09/722,441 Filed/Issue Date: November 28, 2000 Polynucleotides Encoding a Feedback Resistant Aspartokinase from Common Com						
Publica: Colytispacecias						
• • • • • • • • • • • • • • • • • • • •						
Archer-Daniels-Midland Company , a Corporation partnership university, government egency, etc.) (Name of Assignee)						
(Name of Assignes)						
states that it is: 1. [7] the assignee of the entire right, title, and interest, or						
2. an assignee of less than the entire right, title and interest.						
2. I an assignee of less than the entire right, the and wherest is						
A. [K] An assignment from the inventor(s) of the patent application/patent identified above. The assignment are also assignment from the inventor(s) of the patent application/patent identified above. The assignment are assignment as a copy thereof is in the United States Patent and Trademark Office at Reel 012039. Frame 0053						
attached.						
OR						
B. [] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:						
To:						
1 From: and Trademark Unice at						
The document was recorded in the United States Patent and Proceedings attached. Reel, Frame, or for which a copy thereof is attached.						
To:						
2 From: Detection of Tradomark Office at						
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3. From:						
The document was recorded in the United States Patent and Trademark Office attached. Reel, Frame, or for which a copy thereof is attached.						
Reel Frame						
[] Additional documents in the chain of title are listed on a supplemental sheet.						
[] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be						
recorded in the records of the USPTO. See MPEP 302.08)						
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.						
July 2 2014 David J. smith						
Typed of printed pame						
Date (1)						
217-424-5200 Signature						
Telephone number Frecutive Vice President, Secretary						
and General Counsel, Archer-Daniels-Midland Company						
Title						

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 11 information to complete application form to the USPTO. Time will vary depending upon the information officer. U.S. Patent on the amount of time you require to complete this from and/or suggestions for reducing this burden, should be sent to the Chief information officer. U.S. Patent on the amount of time you require to complete this from and/or suggestions for reducing this burden, should be sent to the Chief information officer. U.S. Patent on the amount of time you require to complete this from and/or suggestions for reducing this burden, should be sent to the Chief information officer. U.S. Patent on the amount of time you require to complete this from and/or suggestions for reducing this burden, should be sent to the Chief information officer. U.S. Patent on the amount of time you require to complete this formation. Alternatively, VA 22313-1450.

ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEBRUARY 27, 2002

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STERNE, KESSLER, GOLDSTEIN & FOX, PLLC

MICHELE A. CIMBALA 1100 NEW YORK AVE., N.W. SUITE 600 WASHINGTON, DC 20005-3934 Chief Information Officer Washington, DC 20231 www.uspto.gov



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RECORDATION DATE: 01/10/2002

REEL/FRAME: 012427/0053

NUMBER OF PAGES: 4

CORRECTION OF ERRONEOUSLY RECORDED EXECUTION DAE FOR INVENTOR

LHING-YEW LI-D'ELIA ON REEL 012039 FRAME 0286

ASSIGNOR:

LI-D'ELIA, LHING-YEW

DOC DATE: 06/27/2001

ASSIGNEE:

ARCHER-DANIELS-MIDLAND COMPANY

4666 E. FARIES PARKWAY DECATUR, ILLINOIS 62526

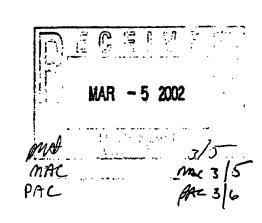
SERIAL NUMBER: 09722441

PATENT NUMBER:

FILING DATE: 11/28/2000

ISSUE DATE:

SHARON BROOKS, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS



JAN 1 0 2002

01-10-2002

U.S. Department of Commerce Patent and Trademark Office

(Rev. 03/01) RECC 101940115					
OMB No. 0651-0027 (con. 5/31/2002) ATT Trademarks. Please record the attached original documents or copy thereof.					
To the Honorable Commissioner of Patents and Trademarks. Please record the 1. Name of conveying party(ies): Lhing-Yew Li-D'Elia Additional name(s) of conveying party(ies) attached? □ yes ≅ no 3. Nature of Conveyance: □ Assignment □ Merger □ Security Agreement □ Change of Name	2. Name and address of receiving party(ies): Name: Archer-Daniels-Midland Company Internal Address: Street Address: 4666 E. Faries Parkway City: Decatur State: IL Zip Code: 62526 Country: U.S.A.				
© Other correction of erroneously recorded execution date for inventor Lhing-Yew Li-D'Elia 60 Reel 012039 Frame 0286 Execution Date: June 27, 2001	Additional name(s) & address(es) attached? □ yes 🗷 no				
Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is					
A. Patent Application No(s). 09/722,441	B. Patent No(s).				
	yes ⊠ no				
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: One				
Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.	7. Total fee (37 C.F.R. § 3.41)\$ 40.00				
Internal Address: c/o 1533.1030002/MAC/PAC	☑ Enclosed				
	☐ Authorized to be charged to Deposit Account				
Street Address: 1100 New York Ave., N.W. Suite 600 City: Washington State: D.C. Zip Code: 20005-3934	8. Deposit Account Number: 19-0036 (Attach duplicate copy of this page if paying by deposit account)				
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9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Michele A. Cimbala Name of Person Signing Registration No. 33,851 Signature Thus. 9,2002 Date					
Total number of pages including cover sheet, attachments and document Six (6)					
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AUG 0 1 20	Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/7	08-08-2001 	U.S. Department of Commerce SHEET Patent and Trademark Office
		and Trademarks. Please record the	anacnea original documents or copy thereof.
·	Name of conveying party(ies):		2. Name and address of receiving party(ies):
		8-1-01	Name: Archer-Daniels-Midland Company Internal Address: Street Address: 4666 E. Faries Parkway
	Additional name(s) of conveying party(ies)	attached? □ yes ⊠ no	
,	3. Nature of Conveyance:		City: Decatur State: Illinois Zip Code: 62526
·	□ Assignment □ Security Agreement □ Other	□ Merger □ Change of Name	Country: Additional name(s) & address(es) attached? □ yes ≅ no
•	Execution Date: 6/27, 6/27, 6/25, 6/27, 7/5		
4. Application number(s) or patent number(s): 09/722,4 If this document is being filed together with a new application No(s).			on, the execution date of the application is B. Patent No(s).
	Additional numbers attached? 5. Name and address of party to whom correspondence concerning document should be mailed:		yes ⊠ no
			6. Total number of applications and patents involved: _1_
	Name: Sterne, Kessler, Goldste	•	7. Total fee (37 C.F.R. § 3.41)\$ 40.00
	Internal Address: c/o Suzanne E. Ziska		⊠ Enclosed
			☐ Authorized to be charged to Deposit Account
•	Suite 600	ork Ave., N.W.	8. Deposit Account Number: 19-0036
		Zip Code: 20005-3934	(Attach duplicate copy of this page if paying by deposit account)
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Suzanne E. Ziska

Name of Person Signing Registration No. 43,371

Signature

August 1, 2001 Date

Total number of pages including cover sheet, attachments and document

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Commissioner of Patents and Trademarks, Box Assignments

Washington, D.C. 20231

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): Paul D. Hanke, Lhing-Yew Li-D'Elia, P. John Rayapati, Corey M. Crafton, Holly J. Walsh the undersigned inventor(s) hereby sell(s) and assign(s) to Archer-Dani Is-Midland Company (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

Solution for the United States of America (as defined in 35 U.S.C. § 100),

and throughout the world,

5/2 8/1/01 15/2024,203

- (a) in the invention(s) known as <u>Increased Lysine Production by Gene Amplification</u> for which application(s) for patent in the United States of America has (have) been executed by the undersigned on <u>6/27/61, 6/27/61</u> (also known as United States Application No. <u>09/722,441</u> filed <u>November 28, 200</u>) in any and all applications thereon, in any and all Letters Patent(s) therefor, and
- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

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The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A.

Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date:		Signature of Inventor:	
			Paul D. Hanke
Date:	25 June 2001	Signature of Inventor:	Pl-Git.
	, 0 ,		Lhing-Yew Li-D'Elia
Date:	25 Jun 01	Signature of Inventor:	P. John Rayagrats P. John Rayapati
Date:	27 Min 01	Signature of Inventor:	Corey M. Crafton
	0	-	Corey M. Cafton
Date:		Signature of Inventor:	
			Holly J. Walsh



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ASSISTANT SECRETARY AND COMMISSIONE OF PATENTS AND TRADEMARKS Washington, D.C. 20231

OCTOBER 09, 2001

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STERNE, KESSLER, GOLDSTEIN & FOX, PLLC SUZANNE E. ZISKA 1100 NEW YORK AVENUE, N.W., SUITE 600 WASHINGTON, D.C. 20005-3934



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RECORDATION DATE: 08/01/2001

REEL/FRAME: 012039/0286

NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HANKE, PAUL D.

DOC DATE: 06/27/2001

ASSIGNOR:

LI-D'ELIA, LHING-YEW

DOC DATE: 06/25/2001

ASSIGNOR:

WALSH, HOLLY

DOC DATE: 07/05/2001

ASSIGNOR:

CRAFTON, COREY M.

DOC DATE: 06/37/2001

ASSIGNOR:

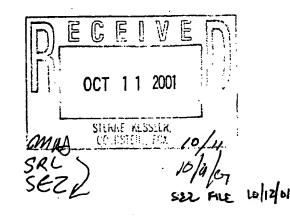
RAYAPATI, P. JOHN

DOC DATE: 06/25/2001

ASSIGNEE:

ARCHER-DANIELS-MIDLAND COMPANY 4666 E. FARIES PARKWAY

DECATUR, ILLINOIS 62526



012039/0286 PAGE 2

SERIAL NUMBER: 09722441

PATENT NUMBER:

FILING DATE: 11/28/2000

ISSUE DATE:

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	Paul D. Hanke 8-1-01	Name: Archer-Daniels-Midland Company	
	Lhing-Yew Li-D'Elia Holly Walsh	Internal Address:	
	Corey M. Crafton		
·	P. John Rayapati	Street Address: 4666 E. Faries Parkway	
	Additional name(s) of conveying party(ies) attached? □ yes ⊠ no		
.	3. Nature of Conveyance:	City: Decatur State: Illinois Zip Code: 62526	
. 1		Country:	
	☐ Assignment ☐ Merger ☐ Change of Name	Additional name(s) & address(es) attached? □ yes 🛭 no	
-	Other	()	
	Execution Date: 6/27, 6/27, 6/25, 6/27, 7/5		
	4. Application number(s) or patent number(s): 09/722,441		
	If this document is being filed together with a new application	ion the execution date of the application is	
	If this document is being filed together with a new applican	ion and overage and or me abbusiness.	
	A. Patent Application No(s).	B. Patent No(s).	
	••		
	Additional numbers attached?	yes Sono	
	5. Name and address of party to whom correspondence	6. Total number of applications and patents involved: 1	
	concerning document should be mailed:		
	Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.	7. Total fee (37 C.F.R. § 3.41)\$_40.00	
	Internal Address: c/o Suzanne E. Ziska	☑ Enclosed	
•			
		Authorized to be charged to Deposit Account	
•	Street Address: 1100 New York Ave., N.W.	8. Deposit Account Number:	
	Suite 600	19-0036	
	City: Washington State: D.C. Zip Code: 20005-3934	(Attach duplicate copy of this page if paying by deposit account)	
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	9. Statement and signature.		
	To the best of my knowledge and belief, the foregoing infor copy of the original document.	mation is true and correct and any attached copy is a true	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	August 1, 2001	
	Suzanne E. Ziska Name of Person Signing Signature	Date	
	Registration No. 43,371		
	Total number of pages including cov		
	Mail documents to be recorded w Commissioner of Patents an	ith required cover sheet information to: d Trademarks, Box Assignments	
	Washington, D.C. 20231		

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): Paul D. Hanke, Lhing-Yew Li-D'Elia, P. John Rayapati, Corey M. Crafton, Holly J. Walsh the undersigned inventor(s) hereby sell(s) and assign(s) to Arch r-Daniels-Midland Company (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

✓ for the United States of America (as defined in 35 U.S.C. § 100),

✓ and throughout the world,

SPL 8/1/01

- (a) in the invention(s) known as <u>Increased Lysine Production by Gene Amplification</u> for which application(s) for patent in the United States of America has (have) been executed by the undersigned on <u>6/27/61</u>, <u>6/25/61</u>, <u>4/27/61</u> (also known as United States Application No. <u>09/722,441</u> filed <u>November 28, 200</u>) in any and all applications thereon, in any and all Letters Patent(s) therefor, and
- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

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Date:		Signature of Inventor:	
Date.		Paul D. Hanke	
Date:	25 June 2001	Signature of Inventor: Lhing-Yew Li-D'Elia	
		Lhing-Yew Li-D'Elia	
Date:	25 Jun 01	Signature of Inventor: P. John Rayapati P. John Rayapati	
		P. John Rayapati	
Date:	27 Mm 01	Signature of Inventor: Corey M. Crafton	
	0	Corey M. Crafton	
Date:		Signature of Inventor:	
		Holly J. Walsh	





UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

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STERNE, KESSLER, GOLDSTEIN & FOX, PLLC SUZANNE E. ZISKA 1100 NEW YORK AVENUE, N.W., SUITE 600 WASHINGTON, D.C. 20005-3934



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RECORDATION DATE: 08/01/2001

REEL/FRAME: 012039/0286

NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HANKE, PAUL D.

DOC DATE: 06/27/2001

27

ASSIGNOR:

LI-D'ELIA, LHING-YEW

DOC DATE: 06/25/2001

ASSIGNOR:

WALSH, HOLLY

DOC DATE: 07/05/2001

ASSIGNOR:

CRAFTON, COREY M.

DOC DATE: 06/27/2001

ASSIGNOR:

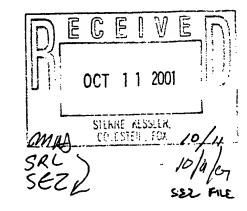
RAYAPATI, P. JOHN

DOC DATE: 06/25/2001

ASSIGNEE:

ARCHER-DANIELS-MIDLAND COMPANY 4666 E. FARIES PARKWAY

DECATUR, ILLINOIS 62526



012039/0286 PAGE 2

SERIAL NUMBER: 09722441

PATENT NUMBER:

FILING DATE: 11/28/2000

ISSUE DATE:

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Name of conveying party(ies):	2. Name and address of receiving party(ies):	
Paul D. Hanke Lhing-Yew Li-D'Elia	Name: Archer-Daniels-Midland Company	
Holly Walsh	Internal Address:	
Corey M. Crafton P. John Rayapati	Street Address: 4666 E. Faries Parkway	
Additional name(s) of conveying party(ies) attached? ☐ yes ☒ no	Gir D. Atas Casto Winein Zin Code: 62526	
3. Nature of Conveyance:	City: Decatur State: Illinois Zip Code: 62526	
Assignment □ Merger	Country:	
☐ Security Agreement ☐ Change of Name ☐ Other	Additional name(s) & address(es) attached? □ yes ⊠ no	
Execution Date: 6/27, 6/27, 6/25, 6/27, 7/5		
If this document is being filed together with a new applicat A. Patent Application No(s).	B. Patent No(s).	
Additional numbers attached?	yes ⊠ no	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1	
Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.	7. Total fee (37 C.F.R. § 3.41)\$ 40.00	
Internal Address: c/o Suzanne E. Ziska	⊠ Enclosed	
	☐ Authorized to be charged to Deposit Account	
Street Address: 1100 New York Ave., N.W.	8. Deposit Account Number:	
Suite 600	19-0036	
City: Washington State: D.C. Zip Code: 20005-3934	(Attach duplicate copy of this page if paying by deposit account)	
DIAZI 00000206 09722441		
40.00 QP DO NOT U	SE THIS SPACE	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.		
Suzanne E. Ziska Name of Person Signing Registration No. 43,371	August 1, 2001 Date	
Total combet of pages including on	ver sheet, attachments and document 7	

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check applicable box(es) ☐ for the United States of America (as defined in 35 U.S.C. § 100), ☐ and throughout the world,

5/10 34,200

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Date:		Signature of Inventor:	Paul D. Hanke
Date:	25 June 2001	Signature of Inventor:	
Date:	25 Jun 01	Signature of Inventor:	P. John Rayagati
Date:	27 Jun 01_	Signature of Inventor:	Corey M. Crafton
Date:		Signature of Inventor:	



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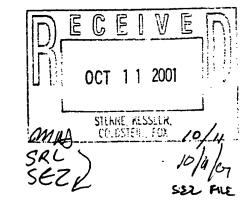
RAYAPATI, P. JOHN

DOC DATE: 06/25/2001

ASSIGNEE:

ARCHER-DANIELS-MIDLAND COMPANY

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08/07/2001 01 FC:581

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To the Honorable Commissioner of Patents and Trademarks. Please record to		
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Paul D. Hanke Lhing-Yew Li-D'Elia	Name: Archer-Daniels-Midland Company	
Holly Walsh Corey M. Crafton	Internal Address:	
P. John Rayapati	Street Address: 4666 E. Faries Parkway	
Additional name(s) of conveying party(ies) attached? □ yes ☑ no	City: Decatur State: Illinois Zip Code: 62526	
3. Nature of Conveyance:		
■ Assignment	Country:	
☐ Security Agreement ☐ Change of Name ☐ Other	Additional name(s) & address(es) attached? □ yes ⊠ no	
Execution Date: 6/27, 6/27, 6/25, 6/27, 7/5		
4. Application number(s) or patent number(s): 09/722,441		
If this document is being filed together with a new applica-	tion, the execution date of the application is	
A. Patent Application No(s).	B. Patent No(s).	
Additional numbers attached?	yes ⊠ no	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1	
Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.	7. Total fee (37 C.F.R. § 3.41)\$ 40.00	
Internal Address: c/o Suzanne E. Ziska	⊠ Enclosed	
	☐ Authorized to be charged to Deposit Account	
Street Address: 1100 New York Ave., N.W.	8. Deposit Account Number:	
Suite 600	19-0036	
City: Washington State: D.C. Zip Code: 20005-3934 TD AZ1 00000206 09722441	(Attach duplicate copy of this page if paying by deposit account)	
/2 24 70	E THIS SPACE	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.		
Suzanne E. Ziska Name of Person Signing Registration No. 43,371	August 1, 2001 Date	
Total number of pages including cover sheet, attachments and document 7		

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check applicable box(es)

✓ for the United States of America (as defined in 35 U.S.C. § 100),

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SRL 8/90, Ry No.34,205

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Date:	June 27, 2001	Signature of Inventor:	
Date:		Signature of January	Paul D. Hanke
Date.		Signature of inventor:	Lhing-Yew Li-D'Elia
Date:		Signature of Inventor:	P. John Rayapati
Date:		Signature of Inventor:	Corey M. Crafton
Date:		Signature of Inventor: _	

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SPL 8/1/03

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Date:		Signature of Inventor:	Signature of Inventor:	
<i>D</i> 2.0.		Paul D. Hanke	Paul D. Hanke	
Date:	25 June 2001	Signature of Inventor: Lhing-Yew Li-D'Elia	Signature of Inventor:	
	-7-0	Lhing-Yew Li-D'Elia	Lhing-Yew Lī-D'Elia	
Date:	25 Jun 01	Signature of Inventor: P. John Rayagati P. John Rayapati	Signature of Inventor: P. John Rayagost	
		P. John Rayapati	P. John Rayapati	
Date:	27 Mm 01	Signature of Inventor: Corey M. Crafton	Signature of Inventor: OUT MULTIN	
<i></i>	<u> </u>	Corey M. Crafton	Corey M. Crafton	
Date:		Signature of Inventor:	Signature of Inventor:	
		Holly I Walsh	Holly I Walsh	

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The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Rob rt E. Sokohl, Esquire, Registration No. 36,613; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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